

FILEID**DATA

E 1

DDDDDDDDDD	AAAAAAA AAAAAAA	TTTTTTTTTT	AAAAAAA AAAAAAA
DDDDDDDDDD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DD	DD AAAAAAAAAA	TT	AAAAAAA AAAAAAA
DD	DD AAAAAAAAAA	TT	AAAAAAA AAAAAAA
DD	DD AA AA	TT	AA AA
DD	DD AA AA	TT	AA AA
DDDDDDDDDD	AA AA	TT	AA AA
DDDDDDDDDD	AA AA	TT	AA AA

(2)	97	DECLARATIONS
(3)	126	CHARACTER TOKEN TABLE
(4)	260	"XUPARROW" AND "XSYMBOL" CHARACTERS
(5)	294	INITIALIZED DATA STORAGE DEFINITIONS
(6)	340	UNINITIALIZED DATA STORAGE DEFINITIONS

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1 .TITLE MAC$DATA           STORAGE ALLOCATION FOR VAX NATIVE ASSEMBLER
2 .IDENT 'V04-000'
3
4 ****
5
6
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24
25
26 ****
27
28
29 ++
30 :FACILITY:      VAX MACRO ASSEMBLER OBJECT LIBRARY
31
32 :ABSTRACT:
33
34 :The VAX-11 MACRO assembler translates MACRO-32 source code into object
35 :modules for input to the VAX-11 LINKER.
36
37 :ENVIRONMENT:   USER MODE
38
39 :AUTHOR: Benn Schreiber, CREATION DATE: 30-AUG-78
40
41 :MODIFIED BY:
42
43 :          V03-03    MTR0020      Mike Rhodes    07-Jul-1982
44 :                      Add MAC$GL_DSLISF disabled option flag cell to
45 :                      allow for controlled overriding of macro directives
46 :                      from the command level.
47
48 :          V03-02    MTR0018      Mike Rhodes    07-Jun-1982
49 :                      Add MAC$GL_FNLSTS final status data cell which
50 :                      contains the final exit status for MACRO, when
51 :                      multiple assemblies are to be done. This cell
52 :                      holds the most severe status of all assemblies.
53
54 :          V03-01    MTR0014      Mike Rhodes    16-Apr-1982
55 :                      Fix data declaration for MAC$GL_CVTADDR, which
56 :                      caused occassional access violations.
57
```

0000	58 :	V02.23	PCG0008	Peter George	26-Aug-1981
0000	59 :		Fix the data allocation for MAC\$GO_VALUEO.		
0000	60 :		Add MAC\$GL_CVTADDR.		
0000	61 :				
0000	62 :	V02.22	CNH0045	Chris Hume	1-Dec-1980
0000	63 :		Increased size of parser value stack. Stack overflow remains		
0000	64 :		undetected. Also advanced displayed IDENT to 2.46.		
0000	65 :		(DATA1.MAR 02.26, MAIN.MAR 02.46)		
0000	66 :				
0000	67 :	V02.21	HJ0002	Herb Jacobs	18-Aug-1980
0000	68 :		Make \$DEF's global using standard \$GBLINI macro.		
0000	69 :				
0000	70 :	V01.20	RN0023	R. Newland	3-Nov-1979
0000	71 :		New message codes to get error messages from system		
0000	72 :		message file.		
0000	73 :				
0000	74 :	V01.19	RN0022	R. Newland	31-Oct-1979
0000	75 :		Translate SYSSLP_LINES to set lines/page		
0000	76 :				
0000	77 :	V01.19	RN0014	R. Newland	12-Oct-1979
0000	78 :		Support for G_floating, H_floating and Octaword data types		
0000	79 :				
0000	80 :	V01.18	RN0011	R. Newland	11-Sep-1979
0000	81 :		New librarian support		
0000	82 :				
0000	83 :	V01.17	RN0008	R. Newland	29-Aug-1979
0000	84 :		31 character symbols		
0000	85 :				
0000	86 :	V01.16	RN0005	R. Newland	10-Aug-1979
0000	87 :		Symbolically defined maximum argument size		
0000	88 :	V01.15	RN0002	R. Newland	01-Feb-1979
0000	89 :		Changes for Source Update Merge		
0000	90 :	V01.17	RN0007	R. Newland	22-Aug-1979
0000	91 :		Fix character table error for { \ } and DEL.		
0000	92 :				
0000	93 :	V01.14	008	B. Schreiber	22-JAN-1979
0000	94 :		Better bookkeeping of allocated pages.		
0000	95 :--				

0000 97 .SBTTL DECLARATIONS
0000 98 :
0000 99 : INCLUDE FILES:
0000 100 :
0000 101 :
0000 102 :
0000 103 : MACROS:
0000 104 :
0000 105 :
0000 106 \$MAC_GRAMMARDEF :DEFINE VAX-11 MACRO TERMINAL GRAMMAR SYMBOLS
0000 107 \$MAC_GENVALDEF :DEFINE VAX-11 MACRO COMMON SYMBOLS
0000 108 \$MAC_INPBLKDEF :DEFINE INPUT BLOCK OFFSETS
003C 109 \$MAC_SYMBLKDEF :SYMBOL BLOCK DEFINITIONS
0000 110 \$FABDEF :DEFINE FAB OFFSETS
0000 111 \$NAMDEF :DEFINE NAME BLOCK OFFSETS
0000 112 DEFSUMCBL : Define SUM control block symbols
0000 113 \$LBRDEF : Define LBR offsets
0000 114 :
0000 115 :
0000 116 : EQUATED SYMBOLS:
0000 117 :
0000 118 :
0000 119 \$GBLINI GLOBAL : FORCE DATA ALLOCATION TO BE GLOBAL
0000 120 :
0000 121 :
0000 122 : OWN STORAGE:
0000 123 :
0000 124 :

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0000 126 .SBTTL CHARACTER TOKEN TABLE
0000 127
0000 128 :++
0000 129 : FUNCTIONAL DESCRIPTION:
0000 130 :
0000 131 :
0000 132 : THE CHARACTER TABLE ('MAC$AL_CHRTAB') IS USED TO DETERMINE WHICH
0000 133 : TOKENS CAN POSSIBLY BE STARTED WITH A GIVEN CHARACTER. THE
0000 134 : PROCEDURE IS TO OBTAIN THE FIRST CHARACTER OF THE TOKEN AND
0000 135 : GET THE TABLE ENTRY CORRESPONDING TO THE ASCII VALUE OF THE
0000 136 : CHARACTER. IF THE CHARACTER ITSELF IS A TOKEN (LIKE DDPLUS)
0000 137 : THEN THE HIGH ORDER BIT WILL BE SET IN THE TABLE ENTRY. IF
0000 138 : THE HIGH ORDER BIT IS NOT SET IT IS THE NAME OF A ROUTINE TO
0000 139 : CALL TO DECIDE THE TOKEN TYPE. THIS ROUTINE MAY SCAN FURTHER
0000 140 : AS IN THE CASE OF A SYMBOL, OR IT MAY SIMPLY LOOK AHEAD TO
0000 141 : RESOLVE AN AMBIGUITY. IN ANY CASE, THE ROUTINE INVOLVED WILL
0000 142 : RETURN THE TOKEN CLASS IN R8, THE ASSOCIATED VALUE (IF ANY)
0000 143 : IN MAC$VALUE, AND THE CHARACTER POINTER WILL BE UPDATED PAST
0000 144 : THE TOKEN SCANNED.
0000 145 :
0000 146 : AN ADDITIONAL TABLE, MAC$AB_CMSK_TAB IS ALSO GENERATED. THIS
0000 147 : IS A BYTE-ORIENTED TABLE, CONTAINING ONE BYTE FOR EACH CHARACTER.
0000 148 : THE VALUES ARE SET FROM THE FLAGS ARGUMENT AND ARE USED IN
0000 149 : SCANC/SPANC INSTRUCTIONS TO LOOK FOR A PARTICULAR TYPE OF CHARACTER
0000 150 :
0000 151 :
0000 152 :
0000 153 :--
0000 154 :
80000000 0000 155 SPECIAL = *X80000000 ;FLAG THAT CHAR IS SPECIAL
0000 156
0000 157 .MACRO $CHR_TABENTRY VAL=0, SPF=0, FLAGS=0
0000 158 .LONG SPF+VAL
0000 159 .PSECT MAC$CHR_FLG_TAB,NOWRT,NOEXE,GBL,LONG
0000 160 .BYTE FLAGS
0000 161 .PSECT MAC$CHRTAB,NOWRT,NOEXE,GBL,LONG
0000 162 .ENDM $CHR_TABENTRY
0000 163
0000 164 .PSECT MAC$CHR_FLG_TAB,NOWRT,NOEXE,GBL,LONG
0000 165
0000 166 MAC$AB_CMSK_TAB:: ;FLAG BITS FOR CHARACTERS
0000 167
0000 168 .PSECT MAC$CHRTAB,NOWRT,NOEXE,GBL,LONG
0000 169
0000 170 MAC$AL_CHRTAB:: ;CHARACTER TOKENS
0000 171
0000 172 $CHR_TABENTRY 0,,CHR$M_SPA_MSK!CHR$M_SYM_DLM ;IGNORE NULLS
0004 173 .REPT 8
0004 174 $CHR_TABENTRY MAC$CHRERR,,CHR$M_SYM_DLM ;0-8 ARE ILLEGAL CHARACTERS
0004 175 .ENDR
0024 176 $CHR_TABENTRY 0,,CHR$M_SPA_MSK!CHR$M_SYM_DLM ;IGNORE TAB
0028 177 $CHR_TABENTRY 0,,CHR$M_SPA_MSK!CHR$M_SYM_DLM ;IGNORE LINE FEED
002C 178 $CHR_TABENTRY MAC$CHRERR,,CHR$M_SYM_DLM ;VERTICAL TAB IS ERROR
0030 179 $CHR_TABENTRY 0,,CHR$M_SPA_MSK!CHR$M_SYM_DLM ;IGNORE FORM FEED
0034 180 $CHR_TABENTRY DEOL,SPECIAL,CHR$M_COMMACR!CHR$M_SYM_DLM ;CR IS END OF LINE
0038 181 .REPT 18,
0038 182 $CHR_TABENTRY MAC$CHRERR,,CHR$M_SYM_DLM ;CTRL-N TO CTRL-SHIFT-O ARE ERRORS

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0038	183	.ENDR	
0020	184	\$CHR_TABENTRY	O, CHRSM SPA MSK!CHRSM_SYM_DLM ;IGNORE SPACE
0084	185	\$CHR_TABENTRY	D0R SPECIAL,CHRSM_SYM_DLM ;(!)
0088	186	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;('') IS AN ERROR
008C	187	\$CHR_TABENTRY	MAC\$XPOUND,,CHRSM_SYM_DLM ;(#)
0090	188	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(\$)
0094	189	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;(%)
0098	190	\$CHR_TABENTRY	DAND,SPECIAL,CHRSM_SYM_DLM ;(&)
009C	191	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;(')
00A0	192	\$CHR_TABENTRY	DOPN,SPECIAL,CHRSM_SYM_DLM ;(())
00A4	193	\$CHR_TABENTRY	DCLS,SPECIAL,CHRSM_SYM_DLM ;())
00AB	194	\$CHR_TABENTRY	DTIMES,SPECIAL,CHRSM_SYM_DLM ;(*)
00AC	195	\$CHR_TABENTRY	DPLUS,SPECIAL,CHRSM_SYM_DLM ;(+)
00B0	196	\$CHR_TABENTRY	DCOMMA,SPECIAL,CHRSM_SYM_DLM!CHRSM_COMMACRO.COMMA_CR ;(,)
00B4	197	\$CHR_TABENTRY	DMINUS,SPECIAL,CHRSM_SYM_DLM ;(-)
00B8	198	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(.)
00BC	199	\$CHR_TABENTRY	DDIV,SPECIAL,CHRSM_SYM_DLM ;(/)
00C0	200	.REPT 10.	
00C0	201	\$CHR_TABENTRY	MAC\$NUMBER,,CHRSM_SYM_CH1!CHRSM_NUM_BER ;DIGITS
00C0	202	.ENDR	
00E8	203	\$CHR_TABENTRY	DCOLON,SPECIAL,CHRSM_SYM_DLM ;(:)
00EC	204	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;(;)
00F0	205	\$CHR_TABENTRY	DANGOPN,SPECIAL,CHRSM_SYM_DLM ;(<)
00F4	206	\$CHR_TABENTRY	DEQ,SPECIAL,CHRSM_SYM_DLM ;(=)
00F8	207	\$CHR_TABENTRY	DANGCLS,SPECIAL,CHRSM_SYM_DLM ;(>)
00FC	208	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;(?)
0100	209	\$CHR_TABENTRY	DAT,SPECIAL,CHRSM_SYM_DLM ;(@)
0104	210	.REPT 6	
0104	211	\$CHR_TABENTRY	MAC\$SYNUM,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;LETTERS A-F CAN STA
0104	212	.ENDR	
011C	213	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(G)
0120	214	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(H)
0124	215	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(I)
0128	216	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(J)
012C	217	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(K)
0130	218	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(L)
0134	219	.REPT 6	
0134	220	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(M-R)
0134	221	.ENDR	
014C	222	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(S)
0150	223	.REPT 3	
0150	224	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(T-V)
0150	225	.ENDR	
015C	226	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(W)
0160	227	.REPT 3	
0160	228	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(X-Z)
0160	229	.ENDR	
016C	230	\$CHR_TABENTRY	DSQOPN,SPECIAL,CHRSM_SYM_DLM ;([)
0170	231	\$CHR_TABENTRY	DXOR,SPECIAL,CHRSM_SYM_DLM ;(\)
0174	232	\$CHR_TABENTRY	DSQCLS,SPECIAL,CHRSM_SYM_DLM ;(])
0178	233	\$CHR_TABENTRY	MAC\$XUPARROW,,CHRSM_SYM_DLM ;(^)
017C	234	\$CHR_TABENTRY	MAC\$SYMBOL,,CHRSM_SYM_CH1!CHRSM_SYM-CHR ;(_)
0180	235	\$CHR_TABENTRY	MAC\$CHRERR,,CHRSM_SYM_DLM ;(')
0184	236	.REPT 6	
0184	237	\$CHR_TABENTRY	MAC\$SYNUM,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;LETTERS A-F CAN STA
0184	238	.ENDR	
019C	239	\$CHR_TABENTRY	MAC\$XSYMBL,,CHRSM_SYM-CHR!CHRSM_SYM_CH1 ;(G)

01A0	240	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(H)
01A4	241	\$CHR_TABENTRY	MAC\$XSYMBL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(I)
01A8	242	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(J)
01AC	243	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(K)
01B0	244	\$CHR_TABENTRY	MAC\$XSYMBL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(L)
01B4	245	.REPT 6	
01B4	246	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(M-R)
01B4	247	.ENDR	
01CC	248	\$CHR_TABENTRY	MAC\$XSYMBL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(S)
01D0	249	.REPT 3	
01D0	250	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(T-V)
01D0	251	.ENDR	
01DC	252	\$CHR_TABENTRY	MAC\$XSYMBL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(W)
01E0	253	.REPT 3	
01E0	254	\$CHR_TABENTRY	MAC\$SYMBOL,,CHR\$M_SYM_CHR!CHR\$M_SYM_CH1 ;(X-Z)
01E0	255	.ENDR	
01EC	256	.REPT <255-^A/z/>	:FILL OUT TABLE
01EC	257	\$CHR_TABENTRY	MAC\$CHRERR,,CHR\$M_SPA_MSK!CHR\$M_SYM_DLM
01EC	258	.ENDR	

**F

0400	260	.SBTTL "XUPARROW" AND "XSYMBOL" CHARACTERS
0400	261	
0400	262	:++
0400	263	:
0400	264	THESE TABLES ARE USED TO SCAN RADIX CONTROL FUNCTIONS.
0400	265	FUNCTIONS ARE EITHER "A"<CHAR> OR <CHAR>"A". "A" IS THE UPARROW
0400	266	OR "HAT".
0400	267	'MAC\$AB_UPXTAB' POINTS TO A LIST OF CHARACTERS LEGAL AFTER A "A"
0400	268	'MAC\$AB_UPXTOKEN' POINTS TO A LIST OF CORRESPONDING TOKEN TYPES.
0400	269	
0400	270	'MAC\$AB_XUPTAB' POINTS TO A LIST OF CHARACTERS LEGAL BEFORE A "A"
0400	271	'MAC\$AB_XUPTOKEN' POINTS TO A CORRESPONDING LIST OF TOKEN TYPES.
0400	272	--
00000000	273	.PSECT MAC\$RO_DATA,NOEXE,NOWRT,GBL,LONG
0000	274	
64 63 62 61 58 4F 4D 46 44 43 42 41 78 6F 6D 66 00000010	0000	275 MAC\$AB_UPXTAB::
	0000	.ASCII /ABCDFMOXabcdfmox/ ;"X" CHARACTERS
	0010	277 LEN\$K_UPXTAB=-.MAC\$AB_UPXTAB
	0010	278
	0010	279 .ALIGN LONG
	0010	280 MAC\$AB_UPXTOKEN::
2A 27 29 28 26 25 24 23 2A 27 29 28 26 25 24 23	0010	.BYTE DUPA,DUPB,DUPC,DUPD,DUPF,DUPM,DUPO,DUPX
	0018	.BYTE DUPA,DUPB,DUPC,DUPD,DUPF,DUPM,DUPO,DUPX
	0020	283
	0020	284 .ALIGN LONG
67 69 6C 77 62 73 47 49 4C 57 42 53 0000000C	0020	285 MAC\$AB_XUPTAB::
	002C	.ASCII /SBWLIGsbwlig/ ;"X" CHARACTERS
	002C	287 LEN\$K_XUPTAB=-.MAC\$AB_XUPTAB
	002C	288
	002C	289 .ALIGN LONG
2C 2D 2E 30 2B 2F 2C 2D 2E 30 2B 2F	002C	290 MAC\$AB_XUPTOKEN::
	0032	.BYTE DSUP,DBUP,DWUP,DLUP,DIUP,DGUP
	291	.BYTE DSUP,DBUP,DWUP,DLUP,DIUP,DGUP

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0038 294 .SBTTL INITIALIZED DATA STORAGE DEFINITIONS
0038 295 ++
0038 296 :+
0038 297 : THIS SECTION DEFINES THE GLOBAL DATA STORAGE USED BY
0038 298 : THE VAX-11 MACRO ASSEMBLER THAT IS INITIALIZED AT
0038 299 : ASSEMBLY TIME.
0038 300 :-
0038 301 :-
0038 302 .ALIGN LONG
0038 303
0038 304 MACSGK_ZERO::: ;A GUARANTEED ZERO WORD
0038 305 .LONG 0 ;A CONSTANT 1
003C 306 MACSGK_ONE::: ;SIZE OF INTERMEDIATE BUFFER
003C 307 .LONG 1 ;SIZE OF INT. BUFFER WE NEED
0040 308 MACSGK_INTSIZ::: ;TO ALLOCATE (2 LINK WORDS AND
0040 309 .LONG INPSK_BUFSIZ+<3*4> ;SIZE WORD)
0044 310
0044 311
0044 312 MACSG_1_PAGE::: ;ARG BLOCK TO ALLOCATE 1 PAGE
0044 313 SARGLST 2,MACSGK_1_PG_SIZ,- ;MACSGL_BASEADDR
0044 314
0050 315 MACSG_2_PAGES::: ;ARG BLOCK TO ALLOCATE 2 PAGES
0050 316 SARGLST 2,MACSGK_2_PG_SIZ,- ;AND STORE BASE ADDRESS HERE
0050 317 MACSGL_BASEADDR
005C 318 MACSGK_1_PG_SIZ::: ;SIZE OF ONE PAGE
005C 319 .LONG 512 ;SIZE OF TWO PAGES
0060 320 MACSGK_2_PG_SIZ::: ;DESCRIPTOR FOR FAO
0060 321 .LONG 1024
0064 322 MACSG_LSTBUFDES::: ;MACSAB_LINE_END-MAC$AB_LST-END
0064 323 .LONG MAC$AB_LINE_END-MAC$AB_LST-END ;STRING DESCRIPTOR TO GET ASCII TIME
0068 324 .LONG MAC$AB_LST-END ;TWENTY-THREE BYTE BUFFER
006C 325 MACSAL_ATIM_DSC::: ;ADDRESS OF BUFFER
006C 326 .LONG 20. ;STRING DESCRIPTOR FOR SUBTITLE LINE DATE
0070 327 .LONG MAC$AB_ATIM_BUF
0074 328 MACSAL_FTIM_DSC::: ; Library type = MACRO
0074 329 .LONG 20. ; Library function = READ
0078 330 .LONG MAC$AB_SBT_DATE
007C 331 MACSGL_LIBTYPE::: ; Descriptor for line buffer
007C 332 .LONG LBRSC_TYP_MLB
0080 333 MACSGL_LIBFUNC::: ; Descriptor for listing buffer
0080 334 .LONG LBRSC_READ
0084 335 MACSGQ_LINEBFDS::: ;INPSK_BUFSIZ,MAC$AB_LINEBF
0084 336 .LONG INPSK_BUFSIZ,MAC$AB_LISTBFDS::: ;Descriptor for listing buffer
008C 337 MACSGQ_LISTBFDS::: ;INPSK_BUFSIZ,MAC$AB_LST_END
008C 338 .LONG INPSK_BUFSIZ,MAC$AB_LST_END

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0094 340 .SBTTL UNINITIALIZED DATA STORAGE DEFINITIONS
 0094 341
 0094 342 :++
 0094 343 :-- THIS SECTION DEFINES THE GLOBAL DATA STORAGE USED BY THE
 0094 344 :-- VAX-11 MACRO ASSEMBLER.
 0094 345 :--
 0094 346
 00000000 347 .PSECT MACSRW_DATA,NOEXE,LONG
 0000 348
 0008 349 \$DEF MACSGL_FLAGS .BLKL 2 ;GLOBAL ASSEMBLY FLAGS POINTED TO
 0008 350 ;BY R11
 0008 351 \$DEF MACSGL_CLIADDR .BLKL 1 ;CLI CALL BACK ADDRESS
 000C 352 \$DEF MACSGL_CMDLIN .BLKL 1 ;ADDRESS OF COMMAND LINE
 0010 353 \$DEF MACSGL_CMDLEN .BLKL 1 ;LENGTH OF COMMAND LINE
 0014 354 \$DEF MACSGL_DIRFLG .BLKL 1 ;FLAG WORD FOR DIRECTIVES
 0018 355 \$DEF MACSGL_ENLISF .BLKL 1 ;FLAGS SET BY /SHOW/ENABLE IN COMMAND LINE
 001C 356 \$DEF MACSGL_DSLISF .BLKL 1 ;FLAGS CLEARED BY /NOSHOW/DISABLE IN COMMAND
 0020 357 \$DEF MACSGL_INI_AP .BLKL 1 ;INITIAL AP
 0024 358 \$DEF MACSGL_INI_FP .BLKL 1 ;INITIAL FP
 0028 359 \$DEF MACSGL_INI_SP .BLKL 1 ;INITIAL SP
 002C 360 \$DEF MACSGL_FNLSTS .BLKL 1 ;FINAL EXIT STATUS
 0030 361 :***THE FOLLOWING 4 ITEMS MUST NOT BE SEPARATED
 0030 362 :
 0030 363 \$DEF MACSGB_MODE .BLKB 1 ;PRIMARY MODE OF OPERAND
 0031 364 \$DEF MACSGB_IMODE .BLKB 1 ;INDEXED MODE
 0032 365 \$DEF MACSGB_REG .BLKB 1 ;REGISTER
 0033 366 \$DEF MACSGB_IREG .BLKB 1 ;...
 0034 367 :
 0034 368 :***THE ABOVE 4 ITEMS MUST NOT BE SEPARATED
 0034 369 \$DEF MACSGL_IMP_BEG .BLKL 0 ;BEGINNING OF IMPURE AREA
 0034 370 \$DEF MACSGL_ARGPTR .BLKL 1 ;POINTER TO FREE SPOT ON PAGE
 0038 371 ;DURING MACRO DEFINITION
 0038 372 \$DEF MACSGL_ASCCNT .BLKL 1 ;CHARACTER COUNT FOR .ASCIX DIRECTIVES
 003C 373 \$DEF MACSGL_ABSFLAG .BLKL 1 ;ABSOLUTE FLAG
 0040 374 \$DEF MACSGL_ASNPTR .BLKL 1 ;POINTER TO SYM BLOCK FOR ASSIGNMENT EXPR
 0044 375 \$DEF MACSGL_BASEADDR .BLKL 1 ;RETURNS BASE ADDRESS FROM VM_GET
 0048 376 \$DEF MACSGL_BLKPTR .BLKL 1 ;POINTER TO INPUT BLOCK (GETARGS)
 004C 377 \$DEF MACSGL_CTLMSK .BLKL 1 ;MASK OF FLAG BITS SET FROM CLI
 0050 378 \$DEF MACSGL_CRF_CNT .BLKL 1 ;COUNT # TIMES CREF CALLED FOR SYMBOLDEF/REF
 0054 379 \$DEF MACSGL_CRF_FLG .BLKL 1 ;FLAGS FOR &REF--WHAT TO CREF
 0058 380 \$DEF MACSGL_CRF_DCNT .BLKL 1 ;# DIRECTIVE DEF/REF CREF CALLS
 005C 381 \$DEF MACSGL_CRF_MCNT .BLKL 1 ;# MACRO DEF/REF CREF CALLS
 0060 382 \$DEF MACSGL_CRF_OCNT .BLKL 1 ;# OPCODE REF CALLS
 0064 383 \$DEF MACSGL_CRF_RCNT .BLKL 1 ;# REGISTER REF CALLS
 0068 384 \$DEF MACSGL_CRSYM .BLKL 1 ;CREATED SYMBOL NUMBER
 006C 385 \$DEF MACSGL_CURINFDB .BLKL 1 ;POINTER TO CURRENT INPUT FDB
 0070 386 \$DEF MACSGL_DFPC_DSP .BLKL 1 ;0 OR INDEX FOR DEFAULT DISPLACEMENT
 0074 387 ;FOR PC-RELATIVE W/NO "X"
 0074 388 \$DEF MACSGL_ERRCT .BLKL 1 ;COUNT OF ERRORS ENCOUNTERED
 0078 389 \$DEF MACSGL_ERR_LIST .BLKL 2 ;QUEUE HEAD FOR ERROR LIST
 0080 390 \$DEF MACSAB_ETXBUF .BLKB 512 ;ERROR TEXT BUFFER
 0280 391 \$DEF MACSGL_ETXLEN .BLKL 1 ;LENGTH OF TEXT IN ETXBUF
 0284 392 \$DEF MACSGL_EXPOPVL1 .BLKL 1
 0288 393 \$DEF MACSGL_EXPOPVL2 .BLKL 1
 028C 394 \$DEF MACSGL_FINPTF .BLKL 1 ;NON-ZERO WHEN FIRST INPUT FILE HAS BEEN PAR
 0290 395 \$DEF MACSGL_FREE_LST .BLKL 2 ;QUEUE HEAD FOR FREE PAGES
 0298 396 \$DEF MACSGL_HIGH_32 .BLKL 1 ;HIGH ORDER 32 BITS OF OPERAND

029C	397	\$DEF	MACSGQ-HIGH 64	.BLKQ	1	:High order 64 bits of octaword operand
02A4	398	\$DEF	MACSGL-HSHVAL	.BLKL	1	:HASH VALUE RETURNED FROM GETSYM
02A8	399	\$DEF	MACSAB-IDENT	.BLKB	SYMSK_MAXLEN+1	:IDENT OF ASSEMBLY
02C8	400	\$DEF	MACSGL-IF_CNDPT	.BLKL	1	:POINTER TO IF CONDITION ROUTINE
02CC	401	\$DEF	MACSGL-IF_COUNT	.BLKL	1	:COUNT OF NESTED IF'S IN FALSE CONDITIONALS
02D0	402	\$DEF	MACSGL-IF_LEVEL	.BLKL	1	:IF' LEVEL
02D4	403	\$DEF	MACSGL-IF_VALUE	.BLKL	1	:LOW BIT CLEAR IF CURRENT LEVEL IS TRUE
02D8	404	\$DEF	MACSGL-INFOCNT	.BLKL	1	:Count of information messages
02DC	405	\$DEF	MACSGL-INTFRMPT	.BLKL	1	:POINTER TO CURRENT INT. FRAME BLOCK
02E0	406	\$DEF	MACSGL-INTWRNPT	.BLKL	1	:POINTER TO WARNING SPOT
02E4	407	\$DEF	MACSGL-INTPAGRQ	.BLKL	1	# OF PAGES USED FOR INT. BUFFER
02E8	408	\$DEF	MACSGL-INTCNT	.BLKL	1	:COUNT OF BYTES LEFT IN INTBUF
02EC	409	\$DEF	MACSGL-INTQUE	.BLKL	2	:HEAD OF QUEUE FOR INT. BUFFERS
02F4	410	\$DEF	MACSGL-PRMINBL	.BLKB	INPSK_BLKSIZ	:PRIMARY INPUT BLOCK
0315	411		.ALIGN LONG			
0318	412	\$DEF	MACSGL-INPQUE	.BLKL	2	:QUEUE HEAD TO INPUT FILE FDB LIST
0320	413	\$DEF	MACSGL-INPUTP	.BLKL	1	:POINTER TO CURRENT INPUT BLOCK
0324	414	\$DEF	MACSGL-KEYMAC	.BLKL	1	
0328	415	\$DEF	MACSGL-KEYPTR	.BLKL	1	
032C	416	\$DEF	MACSGL-LINBAS	.BLKL	1	:BASE LINE NUMBER OF CURRENT FILE
0330	417	\$DEF	MACSGL-LINENUM	.BLKL	1	:SEQUENTIAL LINE # FOR ASSEMBLY
0334	418	\$DEF	MACSGL-LINELN	.BLKL	1	:LENGTH OF CURRENT SOURCE LINE
0338	419	\$DEF	MACSGL-LINE_CNT	.BLKL	1	:NUMBER OF LINES REMAINING IN CURRENT PAGE
033C	420	\$DEF	MACSGL-LN PAGE	.BLKL	1	:# of text lines on page
0340	421	\$DEF	MACSGL-LINK_PTR	.BLKL	1	:POINTER TO LINKED, ALPHABETIZED SYMBOL TBL
0344	422	\$DEF	MACSGL-LIST_IT	.BLKL	1	:LISTING FLAG
0348	423	\$DEF	MACSGL-LIST_LVL	.BLKL	1	:LISTING LEVEL
034C	424	\$DEF	MACSAB-LPBUF	.BLKB	16	:BUFFER TO CREATE LINE/PAGE FOR CREF
035C	425	\$DEF	MACSGL-LPTPAG	.BLKL	1	:CURRENT PAGE NUMBER
0360	426	\$DEF	MACSGL-LSB	.BLKL	1	:LOCAL SYMBOL BLOCK NUMBER
0364	427	\$DEF	MACSGL-LSB_MAX	.BLKL	1	:HIGHEST LSB ** MUST FOLLOW MACSGL LSB
0368	428	\$DEF	MACSGL-MACPTR	.BLKL	1	:POINTER TO MACRO CURRENTLY BEING DEFINED
036C	429	\$DEF	MACSGL-MC_ARGCT	.BLKL	1	:MACRO ARGUMENT COUNT
0370	430	\$DEF	MACSGL-MCDEF	.BLKL	1	# MACROS DEFINED
0374	431	\$DEF	MACSGL-MCLVL	.BLKL	1	:MACRO DEFINITION LEVEL
0378	432	\$DEF	MACSGL-MCPGRQ	.BLKL	1	# PAGES REQUIRED TO DEFINE MACROS
037C	433	\$DEF	MACSGL-MLB_CNT	.BLKL	1	# OF MLB'S WE KNOW ABOUT
0380	434	\$DEF	MACSGL-MLB_NDB	.BLKL	1	# INDEX BLOCKS USED FOR ALL MLB'S
0384	435	\$DEF	MACSGL-MLB_GET	.BLKL	1	# GETS TO DEFINE MACROS
0388	436	\$DEF	MACSGL-MLB_MDF	.BLKL	1	# MACROS DEFINED OUT OF ALL MLB'S
038C	437	\$DEF	MACSGL-MLB_QUE	.BLKL	2	:MLB FDB QUEUE HEADER
0394	438	\$DEF	MACSGL-MLIN_LEN	.BLKL	1	:LENGTH OF MACRO LINE IN TMPBUF (P2)
0398	439	\$DEF	MACSGL-MOPNOM	.BLKL	1	:NUMBER OF OPERANDS IN INSTR.
039C	440	\$DEF	MACSGL-MOPPTR	.BLKL	1	:POINTER TO OPERAND DESCRIPTORS
03A0	441	\$DEF	MACSGL-OBJ_RCNT	.BLKL	1	:NO. OBJECT RECORDS WRITTEN
03A4	442	\$DEF	MACSGL-OPCPGPTR	.BLKL	1	:POINTER TO CURRENT OPDEF PAGES
03A8	443	\$DEF	MACSGL-OPCLSTPT	.BLKL	1	:POINTER TO OPDEF LIST
03AC	444	\$DEF	MACSGL-OPSIZE	.BLKL	1	:NUMBER OF BYTES IN OPERAND
03B0	445	\$DEF	MACSGL-P2_LINE	.BLKL	1	:LINE NUMBER IN PASS 2
03B4	446	\$DEF	MACSGL-PC	.BLKL	1	:CURRENT PC
03B8	447	\$DEF	MACSGL-PRMSEG	.BLKL	1	:SEGMENT OF EXPRESSION SYMBOL
03BC	448	\$DEF	MACSGL-PSC_BLKP	.BLKL	1	:POINTER TO FREE CORE FOR PSECT BLOCKS
03C0	449	\$DEF	MACSGL-PSC_LIST	.BLKL	1	:POINTER TO PSECT DEF. BLOCKS
03C4	450	\$DEF	MACSGL-PSC_MAX	.BLKL	1	:HIGHEST PSECT # ALLOCATED
03C8	451	\$DEF	MACSAB-PSC_SBF	.BLKB	32	:PSECT CONTEXT SAVE BUFFER
03E8	452	\$DEF	MACSAL-PSC_SLB	.BLKL	32	:PSECT LSB CONTEXT SAVE BUFFER
0468	453	\$DEF	MACSGL-PSC_SBP	.BLKL	1	:BYTE INDEX INTO CONTEXT SAVE BUFFER

046C	454	\$DEF	MACSGL_PSECT	.BLKL	1	; NUMBER OF CURRENT PSECT
0470	455	\$DEF	MACSGL_PSECTPTR	.BLKL	1	; POINTER TO CURRENT PSECT BLOCK
0474	456	\$DEF	MACSGB_RDXNDX	.BLKB	1	; INDEX FOR CURRENT RADIX
0475	457	\$DEF	MACSGL_RECDBUF	.BLKL	1	; INPUT RECORD HEADER BUFFER
0479	458	\$DEF	MACSGL_RECTYP	.BLKL	1	; RECORD TYPE BEING OUTPUT IN PASS 2
047D	459	\$DEF	MACSGL_SAVE_PC	.BLKL	1	; SAVE PC FOR LISTING HERE
0481	460	\$DEF	MACSGL_STATOS	.BLKL	1	; EXIT STATUS SET BY P2\$END
0485	461	\$DEF	MACSGL_STOIMPTR	.BLKL	1	; POINTER TO BEGINNING OF STORE IMMEDIATE COD
0489	462	\$DEF	MACSGL_SAVE_SP	.BLKL	1	; SAVE STACK POINTER HERE
048D	463	\$DEF	MACSGL_SAV_BAS	.BLKL	1	; SAVE LINE BASE
0491	464	\$DEF	MACSGL_SAV_LIN	.BLKL	1	; SAVE LINE NO.
0495	465	\$DEF	MACSGL_SAV_PAG	.BLKL	1	; AND PAGE NO. FOR CERTAIN GRAMMAR CONSTRUCTS
0499	466	\$DEF	MACSGL_SRC_LCNT	.BLKL	1	; NO. SRC LINES READ IN PASS 1
049D	467	\$DEF	MACSGL_SRCPAG	.BLKL	1	; SOURCE PAGE NUMBER
04A1	468	\$DEF	MACSGL_SYM_NLOC	.BLKL	1	; NO. NON-LOCAL SYMBOLS
04A5	469	\$DEF	MACSGL_SYM_LOCL	.BLKL	1	; NO. LOCAL SYMBOLS
04A9	470	\$DEF	MACSGL_SYH_PAGL	.BLKL	2	; QUE OF ALLOCATED SYMBOL PAGES
04B1	471	\$DEF	MACSGL_SYMPG PTR	.BLKL	1	; POINTER TO CURRENT PAGE OF SYMBOLS
04B5	472	\$DEF	MACSGL_SYMPGREQ	.BLKL	1	; # OF GET_VM'S FOR SYMBOL TABLE
04B9	473	\$DEF	MACSGL_MLF PTR	.BLKL	1	; Current Macro library (MLF) pointer
04BD	474	\$DEF	MACSGL_TXTRFA	.BLKL	2	; Librarian text RFA
00000200	04C5	475	SS=512			
000003E8	04C5	476	.TIF GREATER <ARGSK SIZE-\$S>, \$S=ARGSK SIZE			
	04C5	477	\$DEF	MACSAB_TMPBUF	.BLRB	\$S ; TEMP BUFFER FOR ARGUMENTS, ETC.
08AD	478	\$DEF	MACSAB_TMPSYM	.BLKB	SYMSK_MAXLEN+1 ; TEMP SYMBOL NAME HOLDER	
08CD	479	\$DEF	MACSAB_TMPSY1	.BLKB	SYMSK_MAXLEN+1 ; SECONDARY MACSAB TMPSYM	
08ED	480	\$DEF	MACSAB_TITLE	.BLKB	SYMSK_MAXLEN+1 ; HOLDS STRING FROM .TITLE DIRECTIVE	
090D	481	\$DEF	MACSGL_TTX_SIZ	.BLKL	1 ; LENGTH OF TITLE TEXT STRING	
0911	482	\$DEF	MACSGL_WARNCT	.BLKL	1 ; COUNT OF WARNINGS ENCOUNTERED	
0915	483	\$DEF	MACSGL_XFRADR	.BLKL	1 ; POINTER TO SYMBOL BLOCK FOR TRANSFER ADDRES	
0919	484	\$DEF	MACSGW_LST_LINE	.BLKW	1 ; Listing line number	
091B	485	\$DEF	MACSGW_LST_INST	.BLKW	1 ; Listing insert number	
091D	486	\$DEF	MACSGT_SCB	.BLKB	SUM_K_BLN ; SUM control block	
093A	487	\$DEF	MACSGL_CVTADDR	.BLKL	1 ; RTL floating pt. conversion routine addr	
093E	488	\$DEF	MACSGL_IMP_END	.BLKL	0 ; END OF IMPURE AREA	
0000090A	093E	489	MACSGK_IMP_SIZ==MACSGL_IMP_END-MACSGL_IMP_BEG			
093E	490					
00000000	491		.PSECT MACPARSE_DATA,NOEXE,LONG			
0000	492					
0000	493	\$DEF	MACSGL_ERRPT	.BLKL	1	; POINTER TO LAST TOKEN SCANNED
0004	494	\$DEF	MACSGL_ERRPTX	.BLKL	1	; POINTER TO CURRENT TOKEN SCANNED
0008	495	\$DEF	MACSGL_EXPPTR	.BLKL	1	; POINTER TO EXPR START IN INT CODE
000C	496	\$DEF	MACSGL_EXPEND	.BLKL	1	; POINTER TO EXPR END IN INT CODE
0010	497	\$DEF	MACSGL_NEXT	.BLKL	1	; NEXT SYMBOL TO PARSE
0014	498	\$DEF	MACSAL_PSTACK	.BLKL	100.	; PARSE STACK
01A4	499	\$DEF	MACSAL_VALSTACK	.BLKL	256.	; PARSE VALUE STACK
05A4	500	\$DEF	MACSGL_VALUE	.BLKL	0	; PARSER CURRENT VALUE
05A4	501	\$DEF	MACSGO_VALUEO	.BLKO	0	; 128-bit value for number getters
05A4	502	\$DEF	MACSGQ_VALUEQ	.BLKQ	0	; 64-BIT VALUE FOR NUMBER-GETTERS
05A4	503	\$DEF	MACSGW_VAL1	.BLKW	0	; FIRST WORD OF VALUE
05A4	504	\$DEF	MACSGB_VAL1	.BLKB	1	; FIRST BYTE OF VALUE
05A5	505	\$DEF	MACSGB_VAL2	.BLKB	1	; SECOND BYTE OF VALUE
05A6	506	\$DEF	MACSGW_VAL2	.BLKW	0	; SECOND WORD OF VALUE
05A6	507	\$DEF	MACSGB_VAL3	.BLKB	1	; THIRD BYTE OF VALUE
05A7	508	\$DEF	MACSGB_VAL4	.BLKB	1	; FOURTH BYTE OF VALUE
05A8	509	\$DEF	MACSGL_VAL3	.BLKL	1	; THIRD AND FOURTH WORDS OF VALUE
05AC	510	\$DEF	MACSGQ_VAL2	.BLKQ	1	; Second quadword of octoword value

05B4	511	SDEF	MAC\$GL_VNEXT	.BLKL	1	:VALUE DURING LOOKAHEAD	2A	
05B8	512							
00000000	513		.PSECT	MAC\$LISTING_BUF	,NOEXE,LONG			
00000000	514							
00000002	0000	515	.BLKB	2		:LISTING BUFFER OVERFLOW PROTECTION	59	
	0002	516	SDEF	MAC\$AB_LST-END	.BLKB	16	:END OF CODE LISTING BUFFER	41
	0012	517	SDEF	MAC\$AB_LST-OP2	.BLKB	14	:START OF SECOND OPERAND FIELD	34
	0020	518	SDEF	MAC\$AB_LST-OP1	.BLKB	5	:START OF FIRST OPERAND FIELD	21
	0025	519	SDEF	MAC\$AB_LST-OPR	.BLKB	6	:START OF OPCODE FIELD	
	0028	520	SDEF	MAC\$AB_SEQ-NUM	.BLKB	7	:SOURCE LINE SEQUENCE NUMBER	45
	0032	521	SDEF	MAC\$AB_LST-LIN	.BLKB	0	:BEGINNING OF CODE LISTING BUFFER	
00000030	0032	522	MACSK	[IST-SIZE==.-MAC\$AB_LST-END]			:SIZE OF CODE LISTING BUFFER	
00000012	0032	523	MAC\$AB_LST-AUDT	= MAC\$AB_IST-END+AUDSK_SIZE			:Start of audit trail	36
	0032	524					: (THIS BUFFER GOES BACKWARDS!)	2D
	0032	525	SDEF	MAC\$AB_LINEBF	.BLKB	INPSK_BUFSIZ	:SOURCE LINE BUFFER	31
0000041E	041A	526	SDEF	MAC\$AB_LINE-END	.BLKB	0	:END OF SOURCE LINE BUFFER	
	041A	527		.BLKL	1		:OVERFLOW PADDING	2A
	041E	528	SDEF	MAC\$GL_LIST_PTR	.BLKL	1	:POINTER INTO MAC\$AB_LST-LIN	
	0422	529	SDEF	MAC\$GL_LINEPT	.BLKL	1	:POINTER INTO LINEBF	
	0426	530						
00000000	531		.PSECT	MAC\$PAGE_HEADER	,NOEXE,LONG		2B	
00000000	532							
OC	0000	533	MAC\$AB_HD_NEWPG::			:TO OUTPUT FORM-FEED ALSO		
	0000	534	.BYTE	FF		:WANT NEW PAGE	21	
	0001	535	SDEF	MAC\$AB_HD_TITLE	.BLKB	SYMSK_MAXLEN+1	:Chars for title and sub string	6F
	0021	536	SDEF	MAC\$AB_HD_TSTRG	.BLKB	LSTSK_TITLE_SIZ+1		65
	004A	537				:BUFFER FOR TITLE SUB-STRING		
	004A	538	SDEF	MAC\$AB_ATIM_BUF	.BLKB	22	:22 bytes for date/time	
	0060	539	SDEF	MAC\$AB_HD_VERSN	.BLKB	28	:28 bytes to hold assembler version string	2B
	007C	540	SDEF	MAC\$AB_HD_PAGE	.BLKB	8	:'PAGE nnnn'	
	0084	541	SDEF	MAC\$AB_HD-END	.BLKB	0	:END OF PAGE HEADER BUFFER	
00000083	0084	542	MACSK	[RD_SIZE==.-MAC\$AB_HD_TITLE]		:SIZE		
	0084	543	SDEF	MAC\$AB_SBT_IDNT	.BLKB	SYMSK_MAXLEN+1	:Ident from .IDENT	41
	00A4	544	SDEF	MAC\$AB_SBT-SBTL	.BLKB	LSTSK_TITLE_SIZ+1	:SPACE FOR SUBTTL LINE	3C
	00CD	545	SDEF	MAC\$AB_SBT-DATE	.BLKB	22	:Creation date of source file	31
	00E3	546	SDEF	MAC\$AB_SBT-FILE	.BLKB	32	:Source file specification	4E
	0103	547	SDEF	MAC\$AB_SBT-PAGE	.BLKB	5	:SOURCE PAGE NUMBER	
	0108	548	SDEF	MAC\$AB_SBT-END	.BLKB	0	:END OF SUBTITLE LINE	45
00000084	0108	549		MAC\$BT_SBT_SIZ	=.-MAC\$AB_SBT_IDNT			
0108	550							
00000000	551		.PSECT	MAC\$PRO_TIMES	,NOEXE,LONG		35	
00000000	552							
	0000	553	SDEF	MAC\$GQ_RNT-TOT	.BLKQ	1	:TOTAL CPU TIME FOR RUN	34
	0008	554	SDEF	MAC\$GQ_TIM-TOT	.BLKQ	1	:TOTAL ELAPSED TIME FOR RUN	
	0010	555	SDEF	MAC\$GL_PFL-TOT	.BLKL	1	:PAGE FAULTS FOR TOTAL RUN	2A
	0014	556	SDEF	MAC\$GQ_RNT-CRF	.BLKQ	1	:TOTAL CPU TIME FOR CREF	
	001C	557	SDEF	MAC\$GQ_TIM-CRF	.BLKQ	1	:TOTAL ELAPSED TIME FOR CREF	
	0024	558	SDEF	MAC\$GQ_PFL-CRF	.BLKL	1	:PAGE FAULTS FOR CREF	
	0028	559	SDEF	MAC\$GQ_RNT-INI	.BLKQ	1	:TOTAL CPU TIME FOR INITIALIZATION	41
	0030	560	SDEF	MAC\$GQ_TIM-INI	.BLKQ	1	:ELAPSED TIME FOR INITIALIZATION	3C
	0038	561	SDEF	MAC\$GL_PFL-INI	.BLKL	1	:PAGE FAULTS FOR INITIALIZATION	31
	003C	562	SDEF	MAC\$GQ_RNT-CMD	.BLKQ	1	:CPU TIME FOR COMMAND PROCESSING	4E
	0044	563	SDEF	MAC\$GQ_TIM-CMD	.BLKQ	1	:ELAPSED TIME FOR COMMAND PROCESSING	
	004C	564	SDEF	MAC\$GL_PFL-CMD	.BLKL	1	:PAGE FAULTS IN COMMAND PROCESSING	45
	0050	565	SDEF	MAC\$GQ_RNT-P1	.BLKQ	1	:CPU TIME FOR PASS 1	
	0058	566	SDEF	MAC\$GL_TIM-P1	.BLKQ	1	:ELAPSED TIME FOR PASS 1	
	0060	567	SDEF	MAC\$GL_PFL-P1	.BLKL	1	:PAGE FAULTS IN PASS 1	35

MA
VO
2A
59
41
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36
2D
31
2A
2B
21
6F
65
28
41
3C
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4E
45
35
21
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2A
41
3C
31
4E
45
35

0064	568	SDEF	MAC\$GQ_RNT_SRT	.BLKQ	1	:CPU TIME FOR SYMBOL TABLE SORT
006C	569	SDEF	MAC\$GQ_TIM_SRT	.BLKQ	1	:ELAPSED TIME FOR SYMBOL TABLE SORT
0074	570	SDEF	MAC\$GL_PFL_SRT	.BLKL	1	:PAGE FAULTS IN SYMBOL SORT
0078	571	SDEF	MAC\$GQ_RNT_P2	.BLKQ	1	:CPU TIME FOR PASS 2
0080	572	SDEF	MAC\$GQ_TIM_P2	.BLKQ	1	:ELAPSED TIME FOR PASS 2
0088	573	SDEF	MAC\$GL_PFL_P2	.BLKL	1	:PAGE FAULTS IN PASS 2
008C	574	SDEF	MAC\$GQ_RNT_SYO	.BLKQ	1	:CPU TIME FOR SYMBOL TABLE OUTPUT
0094	575	SDEF	MAC\$GQ_TIM_SYO	.BLKQ	1	:ELAPSED TIME FOR SYMBOL TABLE OUTPUT
009C	576	SDEF	MAC\$GL_PFL_SYO	.BLKL	1	:PAGE FAULTS IN SYMBOL TABLE OUTPUT
00A0	577	SDEF	MAC\$GQ_RNT_PSY	.BLKQ	1	:CPU TIME FOR PSECT SYNOPSIS OUTPUT
00A8	578	SDEF	MAC\$GQ_TIM_PSY	.BLKQ	1	:ELAPSED TIME FOR PSECT SYNO. OUTPUT
00B0	579	SDEF	MAC\$GL_PFL_PSY	.BLKL	1	:PAGE FAULTS FOR PSECT SYNO. OUTPUT
00B4	580					
00B4	581		.END			

MAI
VO
21
34
2A
28
21
6F
65
28
50
4C
3C
2E
36
21
33
2B
21
73
72
2B
49
34
2E
39
2A
2B
21

SS	= 000003E8	DUPX	= 0000002A
\$ST1	= 00000002	DWUP	= 00000030
ARG\$K_SIZE	= 000003E8	DXOR	= 0000001F
AUD\$K_SIZE	= 00000010	ERR01	= 00000001
BIT...	= 00000005	ERR02	= 00000002
BLNK	= 00000020	ERR03	= 00000003
CHRSM_COMMACR	= 00000020	ERR04	= 00000004
CHRSM_ILL_CRR	= 00000040	ERR05	= 00000005
CHRSM_NUM_BER	= 00000010	ERR06	= 00000006
CHRSM_SPA_MSK	= 00000001	ERR07	= 00000007
CHRSM_SYM_CH1	= 00000008	ERR08	= 00000008
CHRSM_SYM_CHR	= 00000004	ERR09	= 00000009
CHRSM_SYM_DLM	= 00000002	FF	= 0000000C
CHRSV_COMMACR	= 00000005	GOALSY	= 0000000A
CHRSV_CVTLWC	= 00000061	HASHSZ	= 0000007F
CHRSV_ILL_CHR	= 00000006	HYPHEN	= 0000002D
CHRSV_NOCAT	= 0000007F	ID	= 0000000C
CHRSV_NUM_BER	= 00000004	INPSB_ARGCT	= 0000001C
CHRSV_SPA_MSK	= 00000000	INPSK_BLKSIZ	= 00000021
CHRSV_SYM_CH1	= 00000003	INPSK_BUFSIZ	= 000003E8
CHRSV_SYM_CHR	= 00000002	INPSK_IRPSIZ	= 0000003C
CHRSV_SYM_DLM	= 00000001	INPSL_ARGS	= 0000001D
CR	= 0000000D	INPSL_GETL	= 00000008
DAND	= 0000001D	INPSL_IFLVL	= 0000000C
DANGCLS	= 00000016	INPSL_IFVAL	= 00000010
DANGOPN	= 00000015	INPSL_LINK	= 00000000
DAT	= 00000020	INPSL_NXTL	= 00000004
DBUP	= 00000028	INPSL_PAGP	= 00000018
DCLS	= 00000018	INPSL_RPTCNT	= 00000014
DCOLON	= 00000010	INTSK_BUFSIZ	= 000013F4
DCOMMA	= 0000000F	INTSK_BUFWRN	= 00001390
DDIV	= 0000001C	KADDRESS	= 00000037
DEOL	= 00000008	KALIGN	= 0000005A
DEQ	= 00000011	KASCIC	= 00000033
DGUP	= 0000002C	KASCID	= 00000078
DINTEGER	= 00000022	KASCII	= 00000034
DIUP	= 0000002D	KASCIZ	= 00000035
DLUP	= 0000002E	KBLKA	= 0000003F
DMASK	= 00000032	KBLKB	= 00000040
DMINUS	= 0000001A	KBLKD	= 00000041
DOPCODE	= 0000000E	KBLKF	= 00000042
DOPN	= 00000017	KBLKG	= 0000007E
DOR	= 0000001E	KBLKL	= 0000007F
DPC	= 00000012	KBLKO	= 00000043
DPLUS	= 00000019	KBLKQ	= 00000080
DPOUND	= 00000021	KBLKW	= 00000044
DSQCLS	= 00000014	KBYTE	= 00000045
DSQOPN	= 00000013	KCROSS	= 00000038
DSUP	= 0000002F	KDEBUG	= 00000079
DTIMES	= 0000001B	KDFLT	= 00000055
DUPA	= 00000023	KDOUBLE	= 0000007B
DUPB	= 00000024	KDSABL	= 00000039
DUPC	= 00000025	KENABL	= 00000056
DUPD	= 00000026	KEND	= 00000057
DUPF	= 00000028	KENDC	= 00000076
DUPM	= 00000029	KENDM	= 0000004E
DUPO	= 00000027		= 00000053

MAC	43
V04	6E
	2B
	45
	3C
	43
	3C
	2E
	38
	2A
	21
	2B
	21
	63
	73
	2B
	68
	67
	31
	3E
	20
	35
	2A
	21
	3E
	2B
	21
	72
	69
	2B

KENDR	= 0000004F	LBRSC-READ	= 00000001
KENTRY	= 00000058	LBRSC-TYP MLB	= 00000002
KERROR	= 00000071	LENK-UPXTAB	= 00000010
KEVEN	= 0000005B	LENK-XUPTAB	= 0000000C G
KEXTRN	= 0000005D	LSTK-BUFSIZ	= 00000086
KFIELD	= 0000003A	LSTK-L_P PAGE	= 0C00003C
KFLOAT	= 0000003B	LSTK-TITF SIZ	= 00000028
KGFLOAT	= 00000081	MABSB-ARGNO	00000005
KGLOBL	= 0000005E	MABSB-NAME	00000004
KHFLOAT	= 00000082	MABSK-BLKSIZE	0000000C
KIDENT	= 0000006A	MABSL-DVPTR	00000008
KIF	= 00000046	MABEL-LINK	00000000
KIFF	= 00000048	MABSW-DVLEN	00000006
KIFT	= 00000049	MAC\$AB-ATIM-BUF	0000004A RG 09
KIFTF	= 0000004A	MAC\$AB-CMSK-TAB	00000000 RG 03
KIIF	= 00000047	MAC\$AB-ETXBUF	00000080 RG 06
KINCLUE	= 0000005F	MAC\$AB-HD-END	00000084 RG 09
KIRP	= 0000004B	MAC\$AB-HD-NEWPG	00000000 RG 09
KIRPC	= 0000004C	MAC\$AB-HD-PAGE	0000007C RG 09
KLIBRARY	= 00000060	MAC\$AB-HD-TITLE	00000001 RG 09
KLINK	= 00000085	MAC\$AB-HD-TSTRG	00000021 RG 09
KLIST	= 00000061	MAC\$AB-HD-VERSN	00000060 RG 09
KLONG	= 0000003C	MAC\$AB-IDENT	000002A8 RG 06
KMACRO	= 00000050	MAC\$AB-LINEBF	00000032 RG 08
KMCALL	= 00000051	MAC\$AB-LINE END	0000041A RG 08
KMDELETE	= 00000054	MAC\$AB-LPBUF	0000034C RG 06
KMEXIT	= 00000052	MAC\$AB-LST-AUDT	= 00000012 R 08
KNARG	= 00000063	MAC\$AB-LST-END	00000002 RG 08
KNCHR	= 00000064	MAC\$AB-LST-LIN	00000032 RG 08
KNCROS	= 0000007A	MAC\$AB-LST-OP1	00000020 RG 08
KNLIST	= 00000062	MAC\$AB-LST-OP2	00000012 RG 08
KNTYPE	= 00000074	MAC\$AB-LST-OPR	00000025 RG 08
KOCTA	= 00000083	MAC\$AB-PSC-SBF	000003C8 RG 06
KODD	= 0000005C	MAC\$AB-SBT-DATE	000000CD RG 09
KOPDEF	= 00000075	MAC\$AB-SBT-END	00000108 RG 09
KPACKED	= 00000036	MAC\$AB-SBT-FILE	000000E3 RG 09
KPAGE	= 00000065	MAC\$AB-SBT-IDNT	00000084 RG 09
KPRINT	= 00000072	MAC\$AB-SBT-PAGE	00000103 RG 09
KPSECT	= 00000066	MAC\$AB-SBT-SBT	000000A4 RG 09
KQUAD	= 0000003D	MAC\$AB-SEQ-NUM	0000002B RG 08
KREF1	= 0000006D	MAC\$AB-TITLE	000008ED RG 06
KREF16	= 00000084	MAC\$AB-TMPBUF	000004C5 RG 06
KREF2	= 0000006E	MAC\$AB-TMPSY1	000008CD RG 06
KREF4	= 0000006F	MAC\$AB-TMPSYM	000008AD RG 06
KREF8	= 00000070	MAC\$AB-UPXTAB	00000000 RG 05
KREPT	= 0000004D	MAC\$AB-UPXTOKEN	00000010 RG 05
KRESTORE	= 00000067	MAC\$AB-XUPTAB	00000020 RG 05
KSAVE	= 00000068	MAC\$AB-XUPTOKEN	0000002C RG 05
KSBTTL	= 0000006B	MAC\$AL-ATIM DSC	0000006C RG 05
KSGNB	= 0000007C	MAC\$AL-CHRTAB	00000000 RG 04
KSGNW	= 0000007D	MAC\$AL-FTIM DSC	00000074 RG 05
KTITLE	= 00000069	MAC\$AL-PSC SLB	000003E8 RG 06
KVECTOR	= 00000059	MAC\$AL-PSTACK	00000014 RG 07
KUARN	= 00000073	MAC\$AL-VALSTACK	000001A4 RG 07
KWEAK	= 0000006C	MAC\$CHRERR	***** X 04
KWORD	= 0000003E	MAC\$GB-IMODE	00000031 RG 06
KXFER	= 00000077	MAC\$GB-IREG	00000033 RG 06

MAC
VO4
61
20
64
31
41
20
53
72
45
71
66
72
41
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32
21
70
28
21
6F
28
53
31
61
2E
74

MAC\$GB_MODE	00000030	RG	06	MAC\$GL_INFOCNT	000002D8	RG	06
MAC\$GB_RDXNDX	00000474	RG	06	MAC\$GL_INI_AP	00000020	RG	06
MAC\$GB_REG	00000032	RG	06	MAC\$GL_INI_FP	00000024	RG	06
MAC\$GB_VAL1	000005A4	RG	07	MAC\$GL_INI_SP	00000028	RG	06
MAC\$GB_VAL2	000005A5	RG	07	MAC\$GL_INPQUE	00000318	RG	06
MAC\$GB_VAL3	000005A6	RG	07	MAC\$GL_INPUTP	00000320	RG	06
MAC\$GB_VAL4	000005A7	RG	07	MAC\$GL_INTCNT	000002E8	RG	06
MAC\$GK_1_PG_SIZ	0000005C	RG	05	MAC\$GL_INTFRMPT	000002DC	RG	06
MAC\$GK_2_PG_SIZ	00000060	RG	05	MAC\$GL_INTPAGRQ	000002E4	RG	06
MAC\$GK_IMP_SIZ	= 0000090A	G	05	MAC\$GL_INTQUE	000002EC	RG	06
MAC\$GK_INTSIZ	00000040	RG	05	MAC\$GL_INTWRNPT	000002E0	RG	06
MAC\$GK_ONE	0000003C	RG	05	MAC\$GL_KEYMAC	00000324	RG	06
MAC\$GK_ZERO	00000038	RG	05	MAC\$GL_KEYPTR	00000328	RG	06
MAC\$GL_ABSFLAG	0000003C	RG	06	MAC\$GL_LIBFUNC	00000080	RG	05
MAC\$GL_ARGPTR	00000034	RG	06	MAC\$GL_LIBTYPE	0000007C	RG	05
MAC\$GL_ASCCNT	00000038	RG	06	MAC\$GL_LINBAS	0000032C	RG	06
MAC\$GL ASN PTR	00000040	RG	06	MAC\$GL_LINELN	00000334	RG	06
MAC\$GL_BASEADDR	00000044	RG	06	MAC\$GL_LINENUM	00000330	RG	06
MAC\$GL_BLKPTR	00000048	RG	06	MAC\$GL_LINEPT	00000422	RG	08
MAC\$GL_CLIADDR	00000008	RG	06	MAC\$GL_LINE_CNT	00000338	RG	06
MAC\$GL_CMDLEN	00000010	RG	06	MAC\$GL_LINK_PTR	00000340	RG	06
MAC\$GL_CMDLIN	0000000C	RG	06	MAC\$GL_LIST_IT	00000344	RG	06
MAC\$GL_CRF_CNT	00000050	RG	06	MAC\$GL_LIST_LVL	00000348	RG	06
MAC\$GL_CRF_DCNT	00000058	RG	06	MAC\$GL_LIST_PTR	0000041E	RG	08
MAC\$GL_CRF_FLG	00000054	RG	06	MAC\$GL_LN PAGE	0000033C	RG	06
MAC\$GL_CRF_MCNT	0000005C	RG	06	MAC\$GL_LPTPAG	0000035C	RG	06
MAC\$GL_CRF_OCNT	00000060	RG	06	MAC\$GL LSB	00000360	RG	06
MAC\$GL_CRF_RCNT	00000064	RG	06	MAC\$GL LSB MAX	00000364	RG	06
MAC\$GL_CRSYM	00000068	RG	06	MAC\$GL_MACPTR	00000368	RG	06
MAC\$GL_CTLMSK	0000004C	RG	06	MAC\$GL_MDEF	00000370	RG	06
MAC\$GL_CURINFDB	0000006C	RG	06	MAC\$GL_MCLVL	00000374	RG	06
MAC\$GL_CVTADDR	0000093A	RG	06	MAC\$GL_MCPGRQ	00000378	RG	06
MAC\$GL_DFPC_DSP	00000070	RG	06	MAC\$GL_MC_ARGCT	0000036C	RG	06
MAC\$GL_DIRF[G	00000014	RG	06	MAC\$GL_MLB_CNT	0000037C	RG	06
MAC\$GL_DSLISF	0000001C	RG	06	MAC\$GL_MLB_GET	00000384	RG	06
MAC\$GL_ENLISF	00000018	RG	06	MAC\$GL_MLB_MDF	00000388	RG	06
MAC\$GL_ERRCT	00000074	RG	06	MAC\$GL_MLB_NDB	00000380	RG	06
MAC\$GL_ERRPT	00000000	RG	07	MAC\$GL_MLB_QUE	0000038C	RG	06
MAC\$GL_ERRPTX	00000004	RG	07	MAC\$GL_MLFPTR	000004B9	RG	06
MAC\$GL_ERR_LIST	00000078	RG	06	MAC\$GL_MLIN LEN	00000394	RG	06
MAC\$GL_ETX[EN	00000280	RG	06	MAC\$GL_MOPNUM	00000398	RG	06
MAC\$GL_EXPEND	0000000C	RG	07	MAC\$GL_MOPPTR	0000039C	RG	06
MAC\$GL_EXPOPVL1	00000284	RG	06	MAC\$GL_NEXT	00000010	RG	07
MAC\$GL_EXPOPVL2	00000288	RG	06	MAC\$GL_OBJ RCNT	000003A0	RG	06
MAC\$GL_EXPPTR	00000008	RG	07	MAC\$GL_OPCESTPT	000003A8	RG	06
MAC\$GL_FINPTF	0000028C	RG	06	MAC\$GL_OPCPGPTR	000003A4	RG	06
MAC\$GL_FLAGS	00000000	RG	06	MAC\$GL_OPSIZE	000003AC	RG	06
MAC\$GL_FNLSTS	0000002C	RG	06	MAC\$GL_P2 LINE	000003B0	RG	06
MAC\$GL_FREE_LST	00000290	RG	06	MAC\$GL_PC	000003B4	RG	06
MAC\$GL_HIGH_32	00000298	RG	06	MAC\$GL_PFL_CMD	0000004C	RG	0A
MAC\$GL_HSHVAL	000002A4	RG	06	MAC\$GL_PFL_INI	00000038	RG	0A
MAC\$GL_IF_CNDPT	000002C8	RG	06	MAC\$GL_PFL_P1	00000060	RG	0A
MAC\$GL_IF_COUNT	000002CC	RG	06	MAC\$GL_PFL_P2	00000088	RG	0A
MAC\$GL_IF_LEVEL	000002D0	RG	06	MAC\$GL_PFL_PSY	000000B0	RG	0A
MAC\$GL_IF_VALUE	000002D4	RG	06	MAC\$GL_PFL_SRT	00000074	RG	0A
MAC\$GL_IMP_BEG	00000034	RG	06	MAC\$GL_PFL_SYO	0000009C	RG	0A
MAC\$GL_IMP_END	0000093E	RG	06	MAC\$GL_PFL_TOT	00000010	RG	0A

MACSGL_PRMINBL	000002F4	RG	06	MACSGW_LST_INST	0000091B	RG	06
MACSGL_PRMSEG	000003B8	RG	06	MACSGW_LST_LINE	00000919	RG	06
MACSGL_PSC_BLKP	000003BC	RG	06	MACSGW_VALT	000005A4	RG	07
MACSGL_PSC_LIST	000003C0	RG	06	MACSGW_VAL2	000005A6	RG	07
MACSGL_PSC_MAX	000003C4	RG	06	MACSG_T_PAGE	00000044	RG	05
MACSGL_PSC_SBP	00000468	RG	06	MACSG_2_PAGES	00000050	RG	05
MACSGL_PSECT	0000046C	RG	06	MACSG_LSTBUFDES	00000064	RG	05
MACSGL_PSECTPTR	00000470	RG	06	MACSK_HD_SIZE	= 00000083	G	
MACSGL_RECHDBUF	00000475	RG	06	MACSK_LIST_SIZE	= 00000030	G	
MACSGL_RECTYP	00000479	RG	06	MACSK_SBT_SIZ	= 00000084	G	
MACSGL_SAVE_PC	0000047D	RG	06	MACSNNUMBER	*****	X	04
MACSGL_SAVE_SP	00000489	RG	06	MACSSYMBOL	*****	X	04
MACSGL_SAV_BAS	0000048D	RG	06	MACSSYNUM	*****	X	04
MACSGL_SAV_LIN	00000491	RG	06	MACSXPOUND	*****	X	04
MACSGL_SAV_PAG	00000495	RG	06	MACSXSYMBL	*****	X	04
MACSGL_SRCPAG	0000049D	RG	06	MACSXUPARROW	*****	X	04
MACSGL_SRC_LCNT	00000499	RG	06	MACTXT	= 0000000D		
MACSGL_STATUS	00000481	RG	06	MACSUBSYS	= 0000007D		
MACSGL_STOIMPTR	00000485	RG	06	MNB\$B_ARGCT	00000017		
MACSGL_SYMPGPTR	00000481	RG	06	MNB\$B_NAME	00000004		
MACSGL_SYMPGREQ	000004B5	RG	06	MNB\$K_BLKSIZ	0000001C		
MACSGL_SYM_LOCL	000004A5	RG	06	MNB\$L_ARGP	00000018		
MACSGL_SYM_NLOC	000004A1	RG	06	MNB\$L_CRSYMF	00000013		
MACSGL_SYM_PAGL	000004A9	RG	06	MNR\$L_LINK	00000000		
MACSGL_TTX_SIZ	0000090D	RG	06	MNB\$L_PAGC	0000000F		
MACSGL_TXTRFA	000004BD	RG	06	MNB\$L_PAGP	0000000B		
MACSGL_VAL3	000005A8	RG	07	MNB\$L_TXTP	00000005		
MACSGL_VALUE	000005A4	RG	07	MNB\$W_FLAG	00000009		
MACSGL_VNEXT	000005B4	RG	07	MXBSK_BLKSIZ	00000008		
MACSGL_WARNCT	00000911	RG	06	MXBSL_LINK	00000000		
MACSGL_XFRADR	00000915	RG	06	MXBSL_PAGES	= 00000004		
MACSGO_VALUEO	000005A4	RG	07	OBJ\$K_BUFSIZ	= 0000200		
MACSGQ_HIGH_64	0000029C	RG	06	PSC\$B_NAME	00000004		
MACSGQ_LINEBFDS	00000084	RG	05	PSC\$B_SEG	0000000C		
MACSGQ_LISTBFDS	0000008C	RG	05	PSC\$B_UNUSED	00000008		
MACSGQ_PFL_CRF	00000024	RG	0A	PSC\$K_BLKSIZ	00000013		
MACSGQ_RNT_CMD	0000003C	RG	0A	PSC\$K_NO_OPTNS	= 0000000A		
MACSGQ_RNT_CRF	00000014	RG	0A	PSC\$L_CURLOC	0000000F		
MACSGQ_RNT_INI	00000028	RG	0A	PSC\$L_LINK	00000000		
MACSGQ_RNT_P1	00000050	RG	0A	PSC\$M_MAXLNGTH	00000005		
MACSGQ_RNT_P2	00000078	RG	0A	PSC\$M_ABS	= FFFFFFF7		
MACSGQ_RNT_PSY	000000A0	RG	0A	PSC\$M_ALIGNFLG	= 00004000		
MACSGQ_RNT_SRT	00000064	RG	0A	PSC\$M_ALLOPTNS	= 00003FF		
MACSGQ_RNT_SYO	0000008C	RG	0A	PSC\$M_BYTE	= 00004000		
MACSGQ_RNT_TOT	00000000	RG	0A	PSC\$M_CON	= FFFFFFFB		
MACSGQ_TIM_CMD	00000044	RG	0A	PSC\$M_DEFAULT	= 00001C8		
MACSGQ_TIM_CRF	0000001C	RG	0A	PSC\$M_EXE	= 000000C0		
MACSGQ_TIM_INI	00000030	RG	0A	PSC\$M_GBL	= 00000010		
MACSGQ_TIM_P1	00000058	RG	0A	PSC\$M_LCL	= FFFFFFFE		
MACSGQ_TIM_P2	00000080	RG	0A	PSC\$M_LIB	= 00000002		
MACSGQ_TIM_PSY	000000A8	RG	0A	PSC\$M_LONG	= 00004800		
MACSGQ_TIM_SRT	0000006C	RG	0A	PSC\$M_NOEXE	= FFFFFFFBF		
MACSGQ_TIM_SYO	00000094	RG	0A	PSC\$M_NOPIC	= FFFFFFFE		
MACSGQ_TIM_TOT	00000008	RG	0A	PSC\$M_NORD	= FFFFFFF7F		
MACSGQ_VAL2	000005AC	RG	07	PSC\$M_NOSHR	= FFFFFFDFF		
MACSGQ_VALUEQ	000005A4	RG	07	PSC\$M_NOVEC	= FFFFFDFF		
MACSGT_SCB	0000091D	RG	06	PSC\$M_NOWRT	= FFFFFEFF		

PSCSM_OVR	= 00000004	SUM_W_LINE_NO	00000018
PSCSM_PAGE	= 00006400	SYMSB_NAME	00000004
PSCSM_PIC	= 00000001	SYMSB_SEG	0000000C
PSCSM_QUAD	= 00004C00	SYMSB_TOKEN	0000000B
PSCSM_RD	= 00000080	SYMSK_BLKSIZ	0000000D
PSCSM_REL	= 00000008	SYMSK_MAXLEN	= 0000001F
PSCSM_SHR	= 00000020	SYMSK_TWOCOL	= 00000010
PSCSM_USR	= FFFFFFD	SYMSL_LINK	00000000
PSCSM_VEC	= 00000200	SYMSM_VAL	00000005
PSCSM_WORD	= 00004400	SYMSM_ABS	= 00000010
PSCSM_WRT	= 00000180	SYMSM ASN	= 00000100
PSCSS_ALIGNMENT	= 00000004	SYMSM_CRFO	= 00002000
PSCSV_ALIGNFLG	= 0000000E	SYMSM_DEBUG	= 00000020
PSCSV_ALIGNMENT	= 0000000A	SYMSM_DEF	= 00000001
PSCSV_EXE	= 00000006	SYMSM_DELMAC	= 00000200
PSCSV_GBL	= 00000004	SYMSM_EPT	= 00000200
PSCSV_LIB	= 00000001	SYMSM_EXTRN	= 00000008
PSCSV_OVR	= 00000002	SYMSM_GLOBL	= 00000004
PSCSV_PIC	= 00000000	SYMSM_LOCAL	= 00000040
PSCSV_RD	= 00000007	SYMSM_ODBG	= 00000400
PSCSV_REL	= 00000003	SYMSM_REF	= 00000080
PSCSV_SHR	= 00000005	SYMSM_RELSECT	= 00000800
PSCSV_VEC	= 00000009	SYMSM_SUPR	= 00004000
PSCSV_WRT	= 00000008	SYMSM_WEAK	= 00000002
PSCSW_FLAG	00000009	SYMSV_ABS	= 00000004
PSCSW_OPTIONS	0000000D	SYMSV ASN	= 00000008
RDX\$V_BINARY	= 00000000	SYMSV CRFO	= 0000000D
RDX\$V_DECIMAL	= 00000002	SYMSV DEBUG	= 00000005
RDX\$V_DOUBLE	= 00000005	SYMSV DEF	= 00000000
RDX\$V_FLOAT	= 00000004	SYMSV DELMAC	= 00000009
RDX\$V_GFLOAT	= 00000006	SYMSV EPT	= 00000009
RDX\$V_HEX	= 00000003	SYMSV EXTRN	= 00000003
RDX\$V_HFLOAT	= 00000007	SYMSV GLOBL	= 00000002
RDX\$V_OCTAL	= 00000001	SYMSV LOCAL	= 00000006
REGS PC	= 0000000F	SYMSV ODBG	= 0000000A
RRREG	= 00000031	SYMSV REF	= 00000007
SEMI	= 0000003B	SYMSV RELSECT	= 0000000B
SIZ...	= 00000001	SYMSV SUPR	= 0000000E
SPECIAL	= 80000000	SYMSV WEAK	= 00000001
STBSK_PG_MISS	= 0000000A	SYMSV XCRF	= 0000000C
SUM_B_FLAGS	0000001C	SYMSW_FLAG	= 00000009
SUM_K_BLN	0000001D	TAB	= 00000009
SUM_L_ISDATA	00000004	X1	= 00000400
SUM_L_STS	00000000	X2	= 0000000F
SUM_M_AUDIT	= 00000001		
SUM_M_AUDITNEW	= 00000002		
SUM_M_DELETE	= 00000010		
SUM_M_SRCUPD	= 00000004		
SUM_M_SUBCLSH	= 00000008		
SUM_Q_AUDD	= 00000008		
SUM_Q_FILESP	= 00000010		
SUM_V_AUDIT	= 00000000		
SUM_V_AUDITNEW	= 00000001		
SUM_V_DELETE	= 00000004		
SUM_V_SRCUPD	= 00000002		
SUM_V_SUBCLSH	= 00000003		
SUM_W_INSERT_NO	0000001A		

+-----+
! Psect synopsis !
+-----+

PSECT name

• ABS :
• BLANK :
\$ABSS
MAC\$CHR FLG_TAB
MAC\$CHRTAB
MAC\$RO_DATA
MAC\$RW\$DATA
MAC\$PARSE DATA
MAC\$LISTING BUF
MAC\$PAGE HEADER
MAC\$PRO_TIMES

Allocation	PSECT No.	Attributes												
00000000	(0.)	00	(0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
00000000	(0.)	01	(1.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
0000003C	(60.)	02	(2.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
00000100	(256.)	03	(3.)	NOPIC	USR	CON	REL	GBL	NOSHR	NOEXE	RD	NOWRT	NOVEC	LONG
00000400	(1024.)	04	(4.)	NOPIC	USR	CON	REL	GBL	NOSHR	NOEXE	RD	NOWRT	NOVEC	LONG
00000094	(148.)	05	(5.)	NOPIC	USR	CON	REL	GBL	NOSHR	NOEXE	RD	NOWRT	NOVEC	LONG
0000093E	(2366.)	06	(6.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	LONG
000005B8	(1464.)	07	(7.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	LONG
00000426	(1062.)	08	(8.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	LONG
00000108	(264.)	09	(9.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	LONG
000000B4	(180.)	0A	(10.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	LONG

! Performance indicators !

Phase

<u>Page faults</u>	<u>CPU Time</u>	<u>Elapsed Time</u>
30	00:00:00.07	00:00:00.93
108	00:00:00.46	00:00:02.84
324	00:00:10.23	00:00:38.89
0	00:00:00.96	00:00:04.04
151	00:00:01.88	00:00:06.94
65	00:00:00.31	00:00:00.82
3	00:00:00.04	00:00:00.04
0	00:00:00.00	00:00:00.00
683	00:00:13.96	00:00:54.52

The working set limit was 1800 pages.

68561 bytes (134 pages) of virtual memory were used to buffer the intermediate code.

There were 50 pages of symbol table space allocated to hold 1008 non-local and 0 local symbols.

581 source lines were read in Pass 1, producing 54 object records in Pass 2.

18 pages of virtual memory were used to define 17 macros.

+-----+
! Macro library statistics !
+-----+

Macro Library name

\$255\$DUA28:[SHRLIB]SUM.MLB;1
-\$255\$DUA28:[MACRO.OBJ]MACRO.MLB;1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all Libraries)

Macros defined

16585

943 GETS were required to define 16 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:DATA/OBJ=OBJ\$:DATA MSRC\$:DATA/UPDATE=(ENH\$:DATA)+LIBS:MACRO/LIB+SHRLIB\$:SUM/LIB

0225 AH-BT13A-SE
VAX/VMS V4.0

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